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CERTIFICATION

General

- Emergency medical garments, gloves, and face protection devices labeled as being compliant with this standard shall meet or exceed all applicable requirements specified in this standard and shall be certified.
- All certifications shall be performed by an approved certification organization.
- Compliant emergency medical garments, emergency medical gloves, and emergency medical face protection shall be labeled and listed. Such garments, gloves and face protection shall also have a product label that meets the requirements specified in this standard.

Certification Program

- The certification organization shall not: (1) be owned or controlled by manufacturers or vendors of the product being certified; and (2) have a monetary interest in the product's ultimate profitability.
- The certification organization shall: (1) be primarily engaged in certification work and refuse to certify products to this standard that do not comply with all applicable requirements.
- Contractual provisions between the certification organization and the manufacturer shall specify that certification is contingent on compliance with all applicable requirements of this standard. There shall be no conditional, temporary, or partial certifications.
- For certification, laboratory facilities and equipment for conducting proper tests shall be available, a program for calibration of all instruments shall be in place and operating, and procedures shall be in use to ensure proper control of all testing. Good practice shall be followed regarding he use of laboratory manuals, form data sheets, documented calibration and calibration routines, performance verification, proficiency testing, and staff qualification and training programs.
- Manufacturers shall be required to establish and maintain a program of production inspection and testing that meets the requirements of this standard.
- The manufacturer and the certification organization shall evaluate any changes affecting the form, fit, or function of the certified product to determine its continued certification to this standard.
- Product certification shall include a follow-up inspection program, with at least 2 random and unannounced visits per 12-month period.

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Certification Program (Continued)

- The certification organization shall have a program for investigating field reports alleging malperformance or failure of listed products.
- Operating procedures of the certification organization shall provide a mechanism for the manufacturer to appeal decisions. Procedures shall include the presentation of information from both sides of a controversy to a designated appeals panel.
- The certification organization shall be in a position to use legal means to protect the integrity of its name and label. The name and label shall be registered and legally defended.

NOTE: NFPA 1999, Chapter 2, **Certification**, also addresses requirements for "**Inspection and Testing**," **"Manufacturer's Quality Assurance Program**," "**Garment Product Labeling**," and "**Glove Product Labeling**." These areas, like "Certification Program" are relevant to the County's program only insofar as the Department should be aware manufacturer and certification organization requirements are in place.

The following areas, also included in Chapter 2, are relevant to the Department:

Garment User Information

- The manufacturer of emergency medical garments certified as being compliant with this standard shall provide the following instructions and information with each garment: (1) cleaning instructions; (2) marking and storage instructions; (3) frequency and details of inspections; (4) maintenance criteria; (5) how to use test equipment, where applicable; (6) method of repair, if recommended by manufacturer; and (7) warranty information.
- The manufacturer of emergency medical garments shall also furnish training materials that address, but are not limited to: (1) donning procedures; (2) doffing procedures; (3) safety considerations; (4) optimum storage conditions; (5) recommended storage life; (6) decontamination recommendations and considerations; (7) retirement considerations; (8) disposal considerations; and (9) closure lubricants, if applicable.

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Glove User Information

- The manufacturer of emergency medical gloves certified as being compliant with this standard shall provide the following instructions and information with each package of gloves: (1) donning procedures; (2) doffing procedures; (3) safety considerations; (4) optimum storage conditions; (5) recommended storage life; (6) decontamination recommendations and considerations; (7) retirement considerations; and (8) disposal considerations.

Face Protection Device User Information

- The manufacturer of emergency medical face protection devices certified as being compliant with this standard shall provide the following instructions and information with each package of face protection devices: (1) donning procedures; (2) doffing procedures; (3) safety considerations; (4) optimum storage conditions; (5) recommended storage life; (6) decontamination recommendations and considerations; (7) retirement considerations; (8) disposal considerations; and (9) visor/faceshield antifog agents or procedures, if applicable.

DOCUMENTATION REQUIREMENTS

Technical Data Package

- Upon request of the purchaser or end user, the manufacturer shall furnish a technical data package with each type of clothing.
- Technical data package shall contain all documentation required by this standard and data showing compliance with standard.

Emergency Medical Garment Information

- In the technical data package, manufacturer shall describe the emergency medical garment in terms of manufacturer trade name and model number, manufacturer replaceable components and available options, accessories such as repair kits, and sizes.

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Emergency Medical Garment Information (Continued)

- The manufacturer shall provide, in the technical data package, the list and descriptions of the following garment materials and components, if applicable: (1) garment material; (2) boot or bootie material (3) zipper/closure type and materials; (4) material seam types and composition; (5) external fitting types and material(s); and (6) external gasket types and material(s).
- All descriptions of material composition shall specific either generic material names or trade names if the composition of the material is proprietary. The manufacturer shall identify those portions of the garment or materials intended to act as a barrier to liquid-borne pathogens.
- Descriptions of respective suit materials and components shall include the following information, if applicable:
  - Boots or booties: (1) type of linings or surface treatments; (2) type of soles or special toe reinforcements; (3) available boot sizes
  - Garment zipper or closure: (1) material(s) of construction for closure (including chain, slide, pull, and tape for zippers); (2) location and length of completed closure assembly; (3) description of any protective covers or flaps.
- The manufacturer shall describe, in the technical data package, the type of seams or methods of attachment for the following garment material and component combinations, if applicable: (1) garment material-garment material; (2) garment material-visor; (3) garment material-glove; (4) garment material-boot; (5) garment material-garment closure.
- The manufacturer shall document, in the technical data package, the flame resistance of the garment material when tested in accordance with ASTM F 1358, *Standard Test Method for Resistance of Protective Clothing Materials to Flame Impingement*.
- The manufacturer shall document, in the technical data package, penetration resistance to liquid-borne pathogens after abrasion of the garment material for one hour, when tested as specified in this standard.

Emergency Medical Glove Information

- The manufacturer shall provide, in the technical data package, the following information, if applicable: (1) name or designation of manufacturer; (2) model number or design; (3) material composition; (4) description of material seams; (5) type of linings or surface treatments; and (6) available glove sizes.
- Description of the material composition shall specify either the generic material name or the trade name if the composition of the material is proprietary.

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Emergency Medical Face Protection Device Information

- The manufacturer shall provide, in the technical data package, the following information, if applicable: (1) name or designation of manufacturer; (2) model number or design; (3) material composition; (4) description of any hardware; (5) replaceable items; (6) available sizes. Description of the material composition shall specify either the generic material name or the trade name if the composition of the material is proprietary.

DESIGN AND PERFORMANCE REQUIREMENTS

This chapter (Chapter 4) of the standard provides information for manufacturers regarding design and performance of emergency medical garments, emergency medical gloves, and emergency medical face protection device requirements. It is not directly relevant to requirements of the Fairfax County Fire and Rescue Department but members should be aware that such requirements are placed upon the manufacturer to ensure the integrity of this personal protective equipment.

TEST METHODS

This chapter (Chapter 5) of the standard provides information for manufacturers regarding test methods for defined personal protective equipment. It is not directly relevant to requirements of the Fairfax County Fire and Rescue Department but members should be aware that such requirements are placed upon the manufacturer to ensure the integrity of this personal protective equipment.